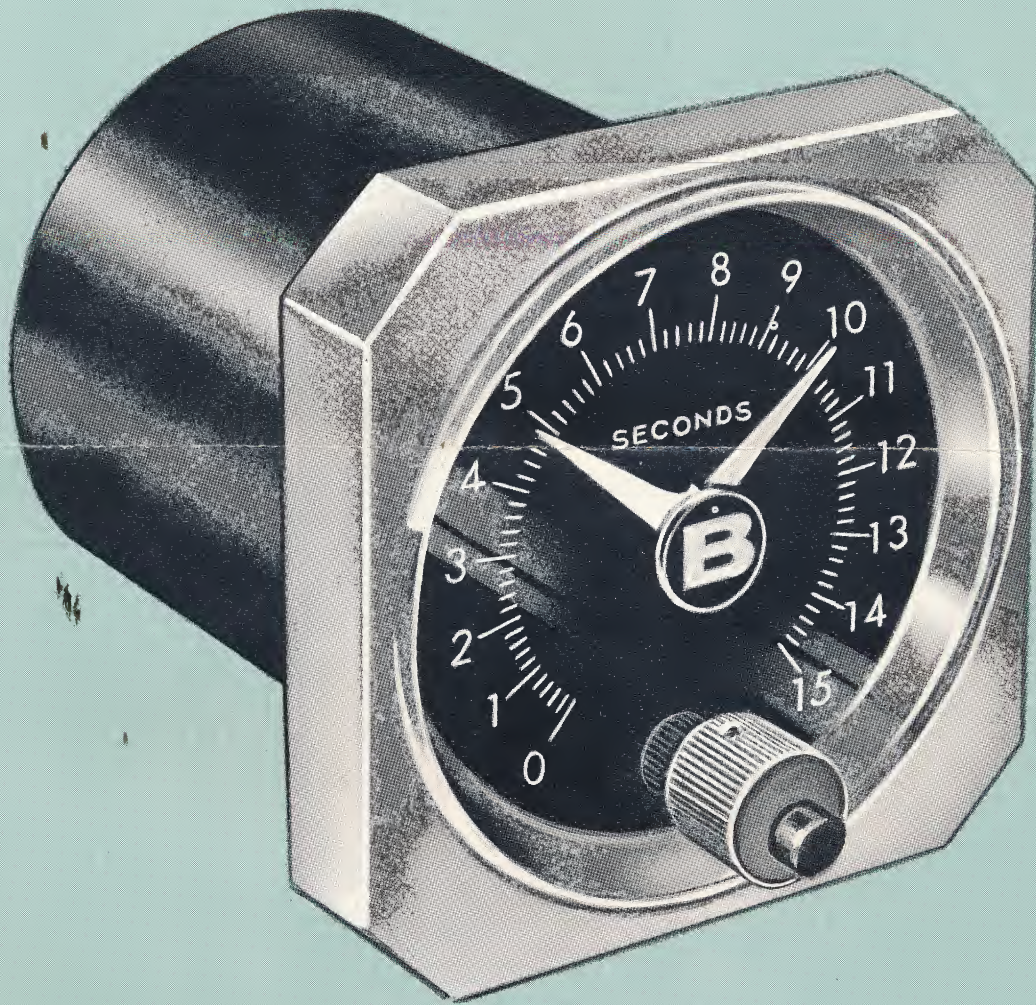




BRISTOL SERIES 62
**PUSH-BUTTON
INTERVAL
TIMER**

the new look of reliability in
time control!

BRISTOL  MOTORS

Division of Vocaline Company of America, Inc.
Old Saybrook, Connecticut

NEW BRISTOL

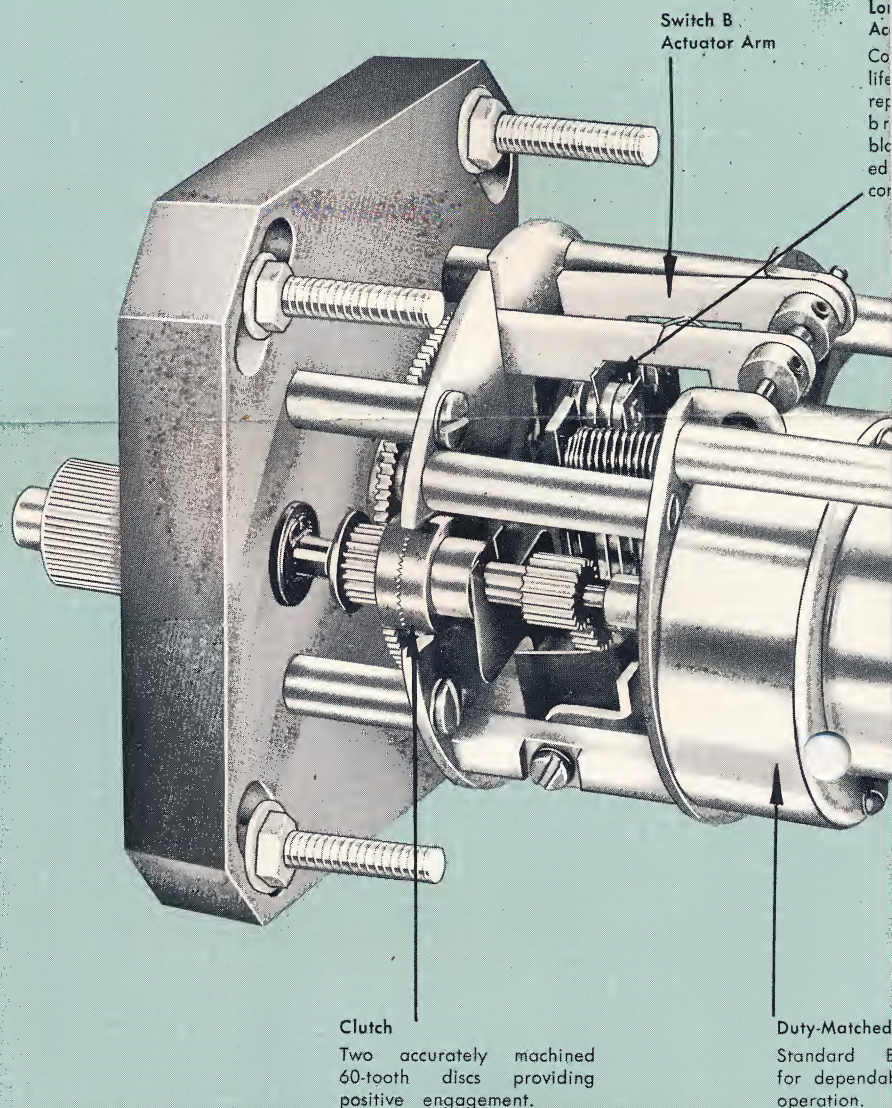


SERIES 62

Bristol's new Series 62 Push Button Interval Timer offers new design and engineering innovations which result in performance and flexibility exclusive to these units. Two independent load circuits permit a multiple number of applications with a single timer without need for further wiring changes.

Another feature is the unique accessibility of all parts. All Bristol Motors products are the result of many years in research, design and manufacture of timing equipment, synchronous motors and electromechanical devices for industrial control and instrumentation applications.

Bristol motors and timers are sold exclusively through Bristol Representatives . . . trained sales engineers familiar with the most complex timing applications and demands of industry. This specialized approach assures every customer the valuable service of men who know timing . . . men ready to help wherever possible in the solution of unusual problems. Contact your Bristol Representative for assistance with your requirements.



SPECIFICATIONS

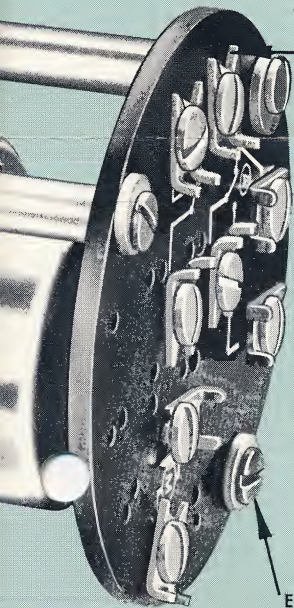
Series 62 Timer

- **Load Contacts — (A) & (B)** — Two independent load switches in all modes of operation. Rated for 15 amperes, 115-230 VAC resistive load.
- **Accuracy** — $\pm 0.25\%$ of full scale. (To maintain this accuracy on 60-second, or faster timers, the motor should be connected to run in the button depressed condition (circuit #3). The motor acceleration time is approximately 0.25 seconds.)
- **Power Consumption** — 4 watts — 5.75 volt-amps — 50 ma. at 115 VAC.
- **Timing motor** — Bristol Circle "B" Synchronous Motor.
- **Clutch** — Two accurately machined 60-tooth discs, providing positive engagement.
- **Terminals** — Load contacts and motor terminals #6-32 screws.
- **Housing** — cast Zamak front housing with glass dial cover and laminated plastic dust cover.
- **Weight** — 2 lbs. 4 oz.
- **Mounting** — Optional four-stud or two-stud mounting with #6-32 rear mounted threaded studs.
- **Temperature** — 0° to 55° C, ambient.
- **Standard Time Ranges** — 6, 15, 30, 60, 120 seconds; 5, 15, 30, 60, 120 minutes; 5, 12, 24 hours.
- **Underwriters** — U. L. Approved.

g Life essible Contacts

contacts are made of long-silver-cadmium oxide for fast-make, fast-break operation. Open end type, vertically mounted for self-cleaning, dust-free contact.

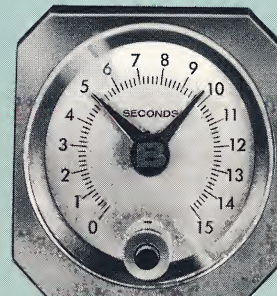
A single Bristol Timer does the job of a multiple number of other makes without need for further complex wiring!



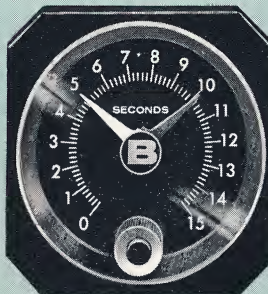
For quick circuit change Motor, housing and other parts, reached in just seconds by merely loosening cam action wedges to release dust cover.

Bristol Motor
Bristol - designed
the synchronous

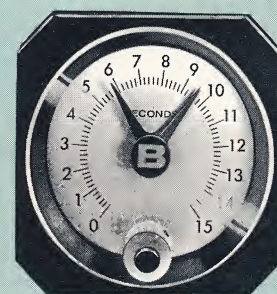
STYLE A



STYLE B

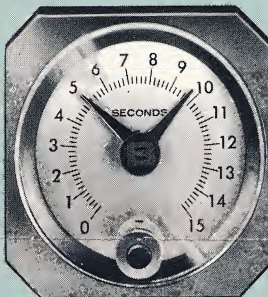


STYLE C



STYLE D

Features square-dial plate, provides background contrast for better viewing. Pointer-position knob is easily adjusted without covering hands.



Die-cast in gleaming, rust-and-corrosion-resistant Zemak. Light weight; modern, clean lines.

Non-scratch surface won't buckle or deform over wide range of environmental conditions. Fully sealed for permanent protection against dust.

Model No. 6210 30S A 1

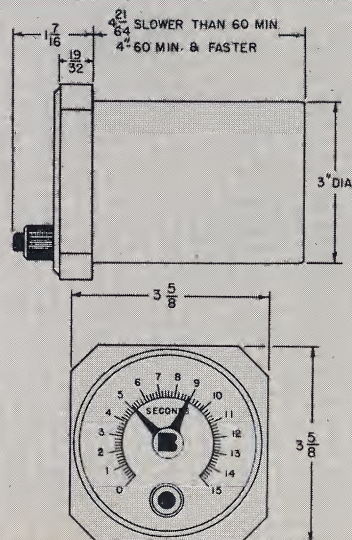
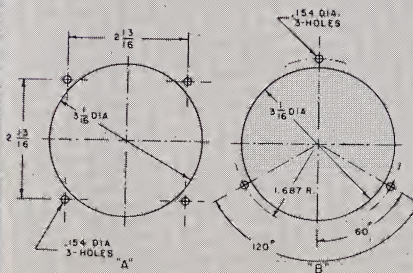
Time Range: 30S - 30 seconds
24H - 24 hours, etc.

Dial Style: A — chrome frame,
black dial
B — chrome frame,
polished dial
C — black frame,
black dial
D — black frame,
polished dial

— Voltage & Frequency:
1 — 115 volts, 60 cycles
2 — 230 volts, 60 cycles
3 — 115 volts, 50 cycles
4 — 230 volts, 50 cycles

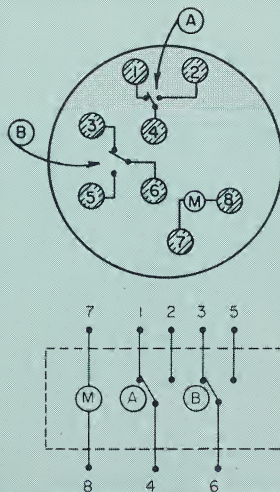
* (Type D-1 will be supplied as standard unless otherwise specified.)

The 62 series timers are provided with removable threaded studs. Timers are normally mounted with four studs, Figure A. Threaded holes are provided for alternate three-hole mounting, Figure B.



B EASIER APPLICATION

1. Select Desired Type of Output.
2. Select Desired Type of Operation.

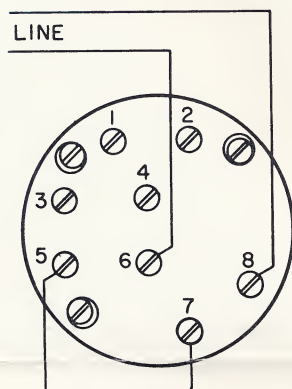


- A. SPDT load switch operates when push button is released, and returns to original position at end of set time period. (Rated 15 amp, 115-230 VAC).
- B. Auxiliary load contact and normal motor contact (rated 15 amp, 115-230 VAC). Operates when push button is released and returns to original position 1% of full time scale after end of set time period. (When motor is wired through Contact A (circuit 2) this contact operates only when the push button is depressed. It is operated at the end of the cycle by the motor.)

ALL MODES OF OPERATION — TWO INDEPENDENT LOAD CIRCUITS

CIRCUIT 1

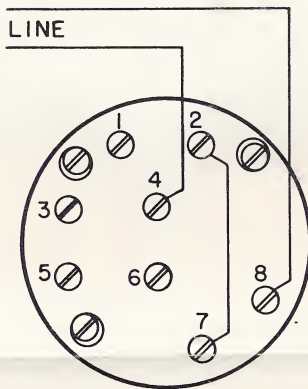
Timer is made ready when push button is depressed. Timed period starts when button is released. Two independent load circuits are available with the motor operating from the B set of contacts.



TIMER OFF (POINTER AT ZERO)	BUTTON DEPRESSED (POINTER AT SET TIME)	TIMED PERIOD (POINTER INDICATES REMAINING TIME)	TIMER OFF (POINTER AT ZERO)
A 1-4	2-4	3-6	5-8
B 3-6	5-8	7-8	

CIRCUIT 2

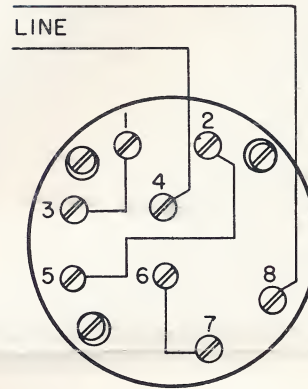
Operation is identical to Circuit 1 except that motor is wired to the A contact. The B contact, in this case, provides an external switch operated by the push button. This switch may be used to trigger other equipment at the beginning of timer operation.



TIMER OFF (POINTER AT ZERO)	BUTTON DEPRESSED (POINTER AT SET TIME)	TIMED PERIOD (POINTER INDICATES REMAINING TIME)	TIMER OFF (POINTER AT ZERO)
A 1-4	2-4	3-6	5-8
B 3-6	5-8	7-8	

CIRCUIT 3

This circuit is intended to provide high accuracy for extremely fast time cycle operation. The motor starts when the push button is depressed, and runs until the end of the set time period. Load operation from Contact A is identical to Circuit 1. (Recommended for time cycles of 60 seconds or less.)



TIMER OFF (POINTER AT ZERO)	BUTTON DEPRESSED (POINTER AT SET TIME)	TIMED PERIOD (POINTER INDICATES REMAINING TIME)	TIMER OFF (POINTER AT ZERO)
A 1-4	2-4	3-6	5-8
MOTOR TERM. #6 1-3	2-5	4-6	7-8

NOTE: Circuit 2 and 3 High Speed Timers (120 seconds and faster) should have Switch B Actuator Arm moved in slightly. This will prevent motor coast from operating Switch B.



BRISTOL MOTORS, DIVISION OF VOCALINE COMPANY OF AMERICA, INC.
Old Saybrook, Connecticut

BRISTOL

division of Vocaline Company of America, Inc.

MOTORS

Old Saybrook, Conn. • EVergreen 8-3414

November 11, 1965

Mr. T H Nelson
Systems Consultants
Box 1546
Poughkeepsie, New York 12603

Dear Mr. Nelson:

Thank you for your recent inquiry relative to the Bristol line of timers and motors.

We have enclosed the product information you have requested and hope that you find it useful. Bristol manufactures a complete line of timers and motors and additionally takes pride in its ability to produce customized electromechanical devices.

In order to continue providing the finest products and service in our industry we are constantly trying to anticipate customer needs. Therefore, we have enclosed a short questionnaire which we hope you will be kind enough to complete. A stamped self-addressed envelope is provided for your convenience.

We look forward to hearing from you and hope that you will take advantage of our capabilities.

Thanking you in advance for your cooperation, we remain

Very truly yours,
BRISTOL MOTORS division of
VOCALINE CO. OF AMERICA, INC.

George S. Willis

Sales Department mvc

JS:cvb

Enclosures B-12

ST-167

Representative:

Technical Sales Company
P.O. Box 182
7506 Jefferson Avenue
Pulaski, New York



Divisions:

VOCALINE ELECTRONICS: Designers and
Manufacturers of Communications Systems

BRISTOL MOTORS: Manufacturers of
Synchronous Motors, Timing Devices

LAMCO: Laboratory for Advanced Military
Communications — Waldoboro, Maine

Mr. T H Nelson
Systems Consultant
Box 1546
Poughkeepsie, New York 12603

please indicate your primary responsibility

- ☐ Design Engineering
- ☐ Application Engineering
- ☐ Purchasing
- ☐ Other (please specify)_____.

Principal product manufactured by your company_____

Is your request for information for:

- ☐ An Immediate Application
- ☐ Future Anticipated Need
- ☐ Reference Only

If you have an immediate use or future need, please indicate your estimated annual usage _____.

Do you presently have or anticipate having a need for other types of timers or motors ☐ yes ☐ no. If yes, please indicate timer or motor type and estimated annual usage.

- ☐ Repeat Cycle Timers or Programming Timers .
- ☐ Fixed Interval Timers
- ☐ Adjustable Interval Timer
- ☐ Elapsed Time Indicators
- ☐ Time Delay Relays
- ☐ Time Delay Timers
- ☐ Percentage Timer
- ☐ Solid State Timer
- ☐ Timing Motors including Shift Motors

Annual Usage

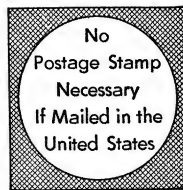
Would you like to have a field representative call on you ☐ yes ☐ no.

Thank you for filling out this questionnaire.

BRISTOL MOTORS division of
VOCALINE COMPANY OF AMERICA, INC.

OLD SAYBROOK, CONNECTICUT

ST-168



VOCALINE COMPANY OF AMERICA

OLD SAYBROOK

CONNECTICUT

